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# U.S. Army Influenza Activity Report

Week Ending 1 March 2014 (Week 9)

## 2013-2014 Seasonal Influenza Vaccination Coverage

As of 19 FEB 2014

94%	DOD
97%	Army Active Duty
92%	Army Guard
84%	Army Reserve

**SYNOPSIS:** In both the civilian and military populations the number of specimens testing positive for Influenza A continued to decline in week nine. All regions, except PRMC and ERMIC, have shown declining trends from peaks earlier in the influenza season.

- **ILI Activity:** Army incident ILI outpatient visits in week nine were 30% lower than for the same week last year.
- **Influenza cases:** Four hospitalized influenza cases have been reported to USAPHC through DRSi in week nine. To date, 95 cases have been reported during this influenza season: twenty-three in Active Duty (AD) Service Members (SMs) and 72 in non-AD beneficiaries.
- **Viral specimens:** During week nine, 260 of 1,090 (24%) laboratory specimens tested positive for respiratory pathogens. The most influenza A positive specimens were reported from PRMC (39%), followed by ERMIC and NRMIC which accounted for 21% and 15%, respectively.

## Geographic Spread

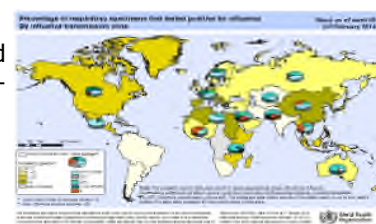


## United States

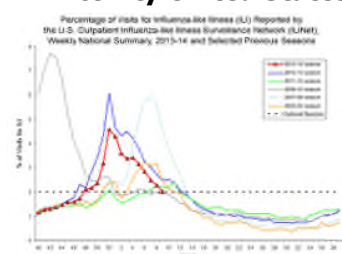
- In week nine, 20 states reported widespread and regional influenza activity. The District of Columbia, Guam and twenty-six states reported local activity, while Puerto Rico and four states reported sporadic activity. CDC Geographic Spread map depicts week eight.

## World Health Organization

- In Northern Africa and Western Asia, influenza activity was variable, with Egypt reporting high activity of influenza A (H1N1)pdm09 and an increasing number of severe cases.

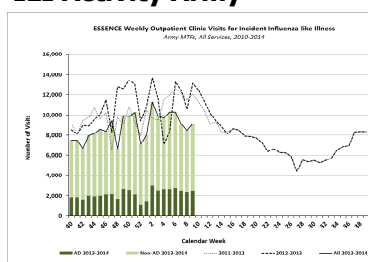


## ILI Activity United States



- Nationwide during week nine, 2.0% of outpatient visits reported in ILINet were due to ILI, which is at the national baseline of 2.0%.
- The percentage of ILI outpatient visits ranged from 0.8% to 3.4% across regions.

## ILI Activity Army



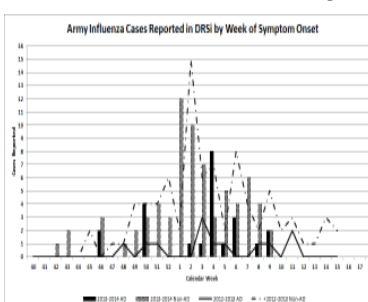
- During week nine, incident ILI activity was 30% lower than the same time last year and 24% lower than the 2011-2012 season.
- AD SMs accounted for 27% of incident ILI clinic visits during week nine; in 2012-2013, AD SMs comprised 26% of ILI clinic visits on average.

## Laboratory Respiratory Specimen Testing

Army MTF Laboratory Results, 2013-14					
Test Result	Week 6	Week 7	Week 8	Week 9	Season Total
Influenza A	233	201	243	155	4040
Influenza B	7	13	12	17	114
Adenovirus	22	14	17	11	224
Enterovirus	0	2	3	0	20
Parainfluenza	13	6	4	11	257
RSV	60	93	69	66	1161
Negative	946	843	824	830	16240
Total Results	1281	1172	1172	1090	22056

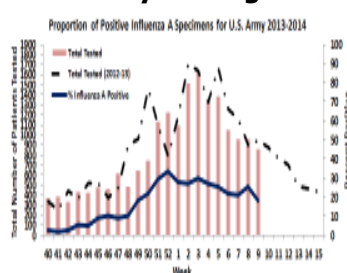
- In week nine, 24% (260) of specimens were positive.
- Influenza A accounted for 60% of positive specimens.
- RSV accounted for 25% of positive specimens; adenovirus and parainfluenza were both 4%.
- Influenza B accounted for 7% of positive specimens.

## DRSi Influenza Case Reporting



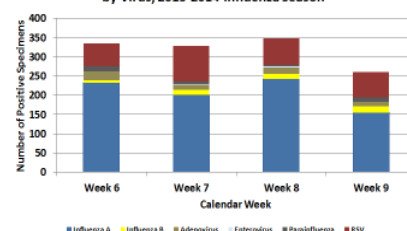
- In week nine, four cases of influenza -associated hospitalizations were reported in DRSi, two of which were in non-AD beneficiaries.
- Ninety-five hospitalized influenza cases have been reported since the beginning of this influenza season.
- At the same time last influenza season, 83 hospitalized influenza cases were reported.

## Laboratory Testing for Influenza A



- In week nine, 155 (18%) influenza A specimens tested positive. This was a decrease from week eight (26%). 106 (68%) of the positive influenza A specimens were reported in non-AD personnel.
- PRMC reported 60 (39%) of the total influenza A cases. ERMIC reported 32 (21%) positive influenza A specimens, and NRMIC reported 23 (15%). SRMC reported 21 cases (14%) and WRMC reported 11 cases (7%). CENTCOM reported 8 (5%) positive specimens, 7 of which were in non-AD personnel.

Positive Respiratory Specimen Results from Army MTFs by Virus, 2013-2014 Influenza Season



**Additional Resources:** [Army Influenza Reports](#); [ARD Reports](#); [AFHSC Influenza Reports](#); [NHRC FRI Reports](#); [DoD Global Influenza Surveillance Program](#); [DoD Pandemic Influenza Watchboard](#); [CDC](#); [WHO](#)  
**Key:** ILI-Influenza-Like Illness; DRSi- Disease Reporting System Internet; NHRC- Naval Health Research Center; ADV- Adenovirus; RSV-Respiratory Syncytial Virus; DEP- Disease Epidemiology Program; SM-Service Member

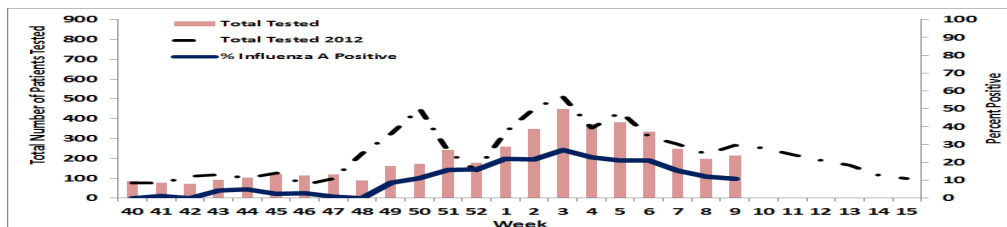
## Questions?

Email [USAPHC-DEP](#)  
410-417-3774

# U.S. Army Influenza Activity Report

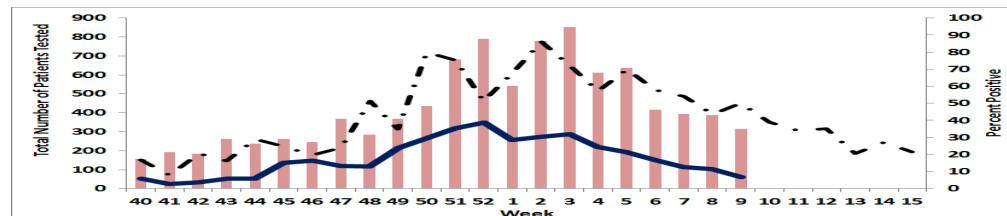
Proportion of Influenza A Positive Specimens by Week and Region, Army Medical Laboratories, 2013-2014 as Compared to 2012-2013

## Northern Regional Medical Command (NRMC)



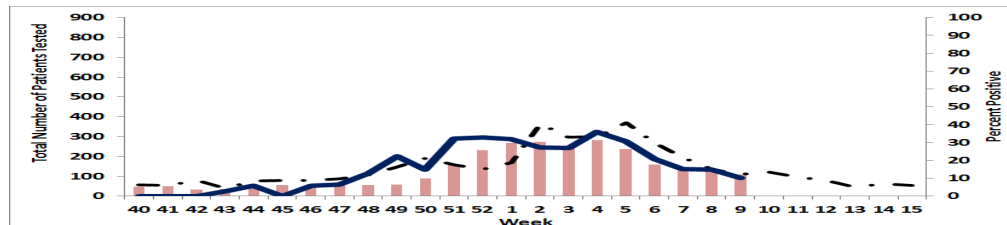
Week 9			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	10	321
18-29	1	3	121
30-39	2	1	109
40-49	1	3	70
50-59	0	1	41
60+	0	1	31
<b>Total</b>	<b>4</b>	<b>19</b>	<b>693</b>

## Southern Regional Medical Command (SRMC)



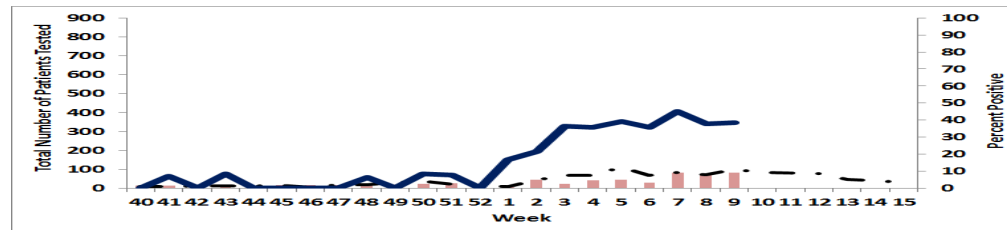
Week 9			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	6	898
18-29	2	2	374
30-39	1	2	285
40-49	2	2	206
50-59	0	2	194
60+	0	2	154
<b>Total</b>	<b>5</b>	<b>16</b>	<b>2111</b>

## Western Regional Medical Command (WRMC)



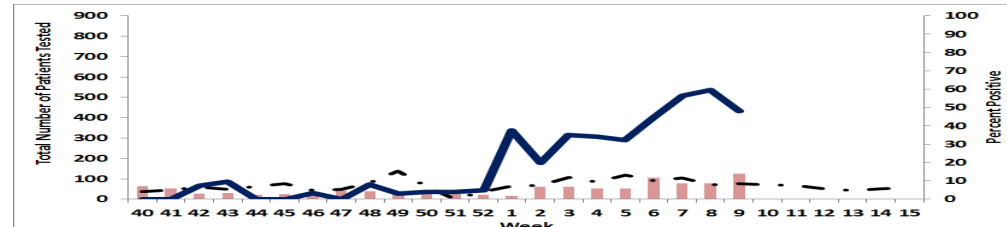
Week 9			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	5	328
18-29	2	0	122
30-39	0	2	76
40-49	0	0	61
50-59	0	2	43
60+	0	0	24
<b>Total</b>	<b>2</b>	<b>9</b>	<b>654</b>

## Europe Regional Medical Command (ERMC)



Week 9			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	17	62
18-29	5	1	27
30-39	3	4	46
40-49	0	0	15
50-59	0	1	12
60+	0	1	2
<b>Total</b>	<b>8</b>	<b>24</b>	<b>164</b>

## Pacific Regional Medical Command (PRMC)



Week 9			
Age Group	AD	Non-AD Ben	Season Total
< 18	0	16	83
18-29	11	4	97
30-39	16	6	58
40-49	2	2	26
50-59	0	2	13
60+	0	1	7
<b>Total</b>	<b>29</b>	<b>31</b>	<b>284</b>

Number of Positive Influenza A Specimens by Duty Status and Region

Region	Week 2		Week 3		Week 4		Week 5		Week 6		Week 7		Week 8		Week 9	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
NRMC	32	44	31	90	19	66	20	61	20	51	10	28	4	20	4	19
SRMC	63	173	56	216	33	117	29	108	14	55	17	33	9	35	5	16
WRMC	7	68	14	52	15	87	12	61	8	25	3	17	4	14	2	9
ERMC	6	4	3	5	5	10	11	7	2	8	15	22	11	15	8	24
PRMC	4	8	2	19	5	13	10	7	24	22	25	19	19	28	29	31
CENTCOM	0	0	0	0	0	0	4	20	0	4	3	9	16	68	1	7

**Locations providing week 9 laboratory data as of 5 March 2014:** Korea, Ft Belvoir (NCR), Ft Benning, Ft Bliss, Ft Bragg, Ft Campbell, Ft Carson, Ft Drum, Ft Eustis, Ft Gordon, Ft Hood, Ft Irwin, Ft Jackson, Ft Leavenworth, Ft Lee, Ft Leonard Wood, Ft Lewis, Ft Meade, Ft Polk, Ft Riley, Ft Rucker, Ft Sam Houston, Ft Sill, Ft Stewart, Ft Wainwright, Landstuhl, Redstone Arsenal, Tripler, and West Point.

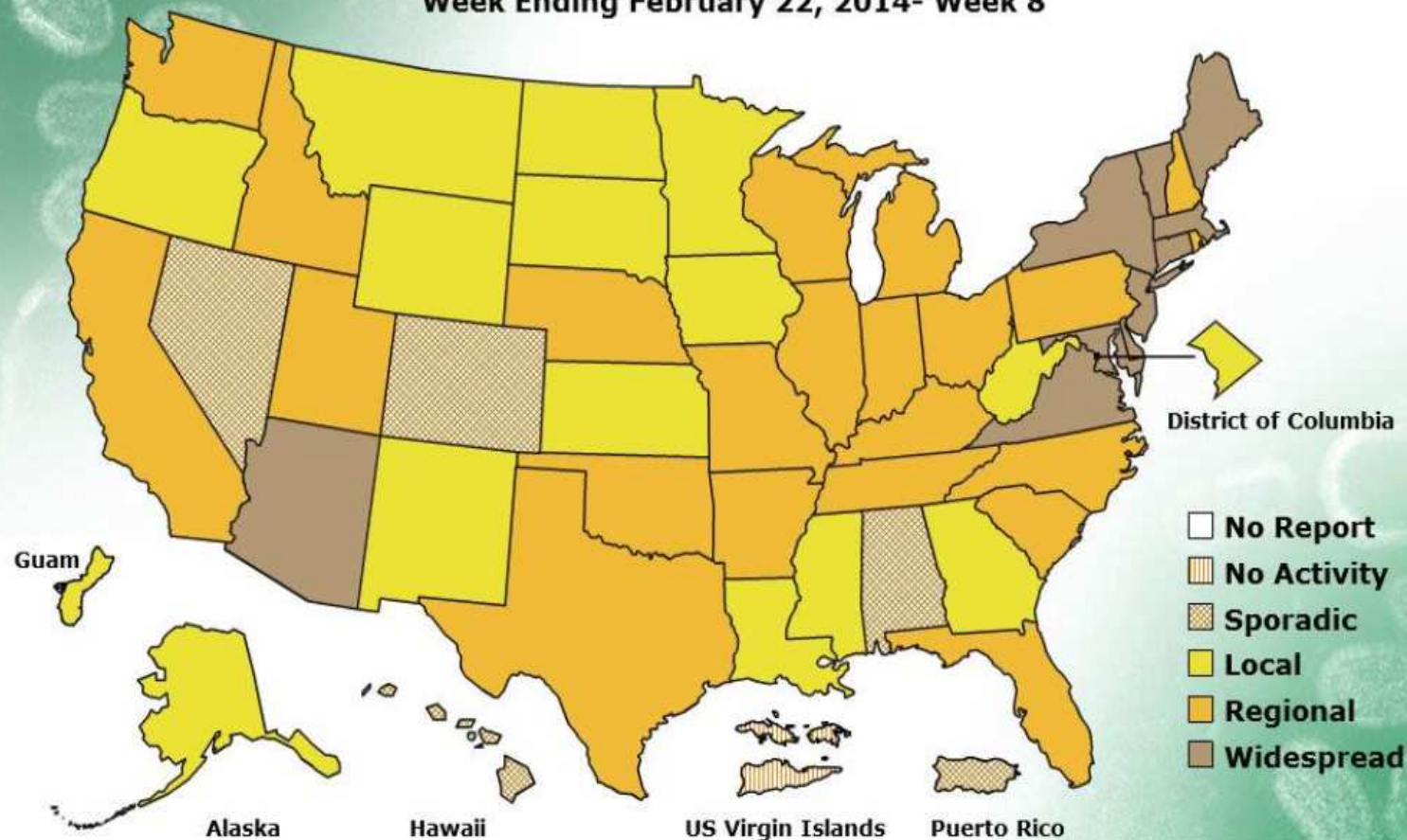


# FLUVIEW



**A Weekly Influenza Surveillance Report Prepared by the Influenza Division**  
**Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\***

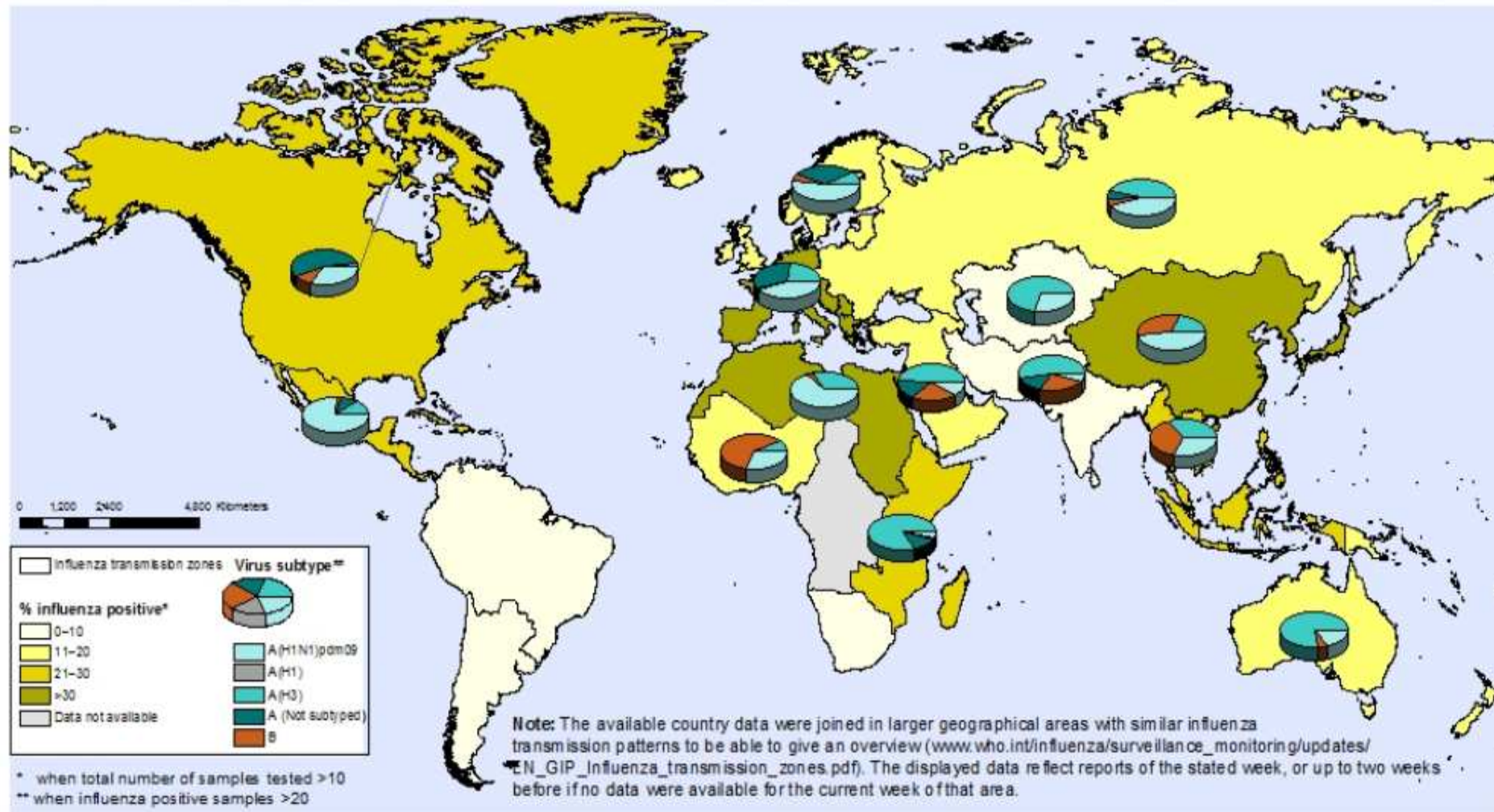
**Week Ending February 22, 2014- Week 8**



**\*This map indicates geographic spread and does not measure the severity of influenza activity.**

# Percentage of respiratory specimens that tested positive for influenza By influenza transmission zone

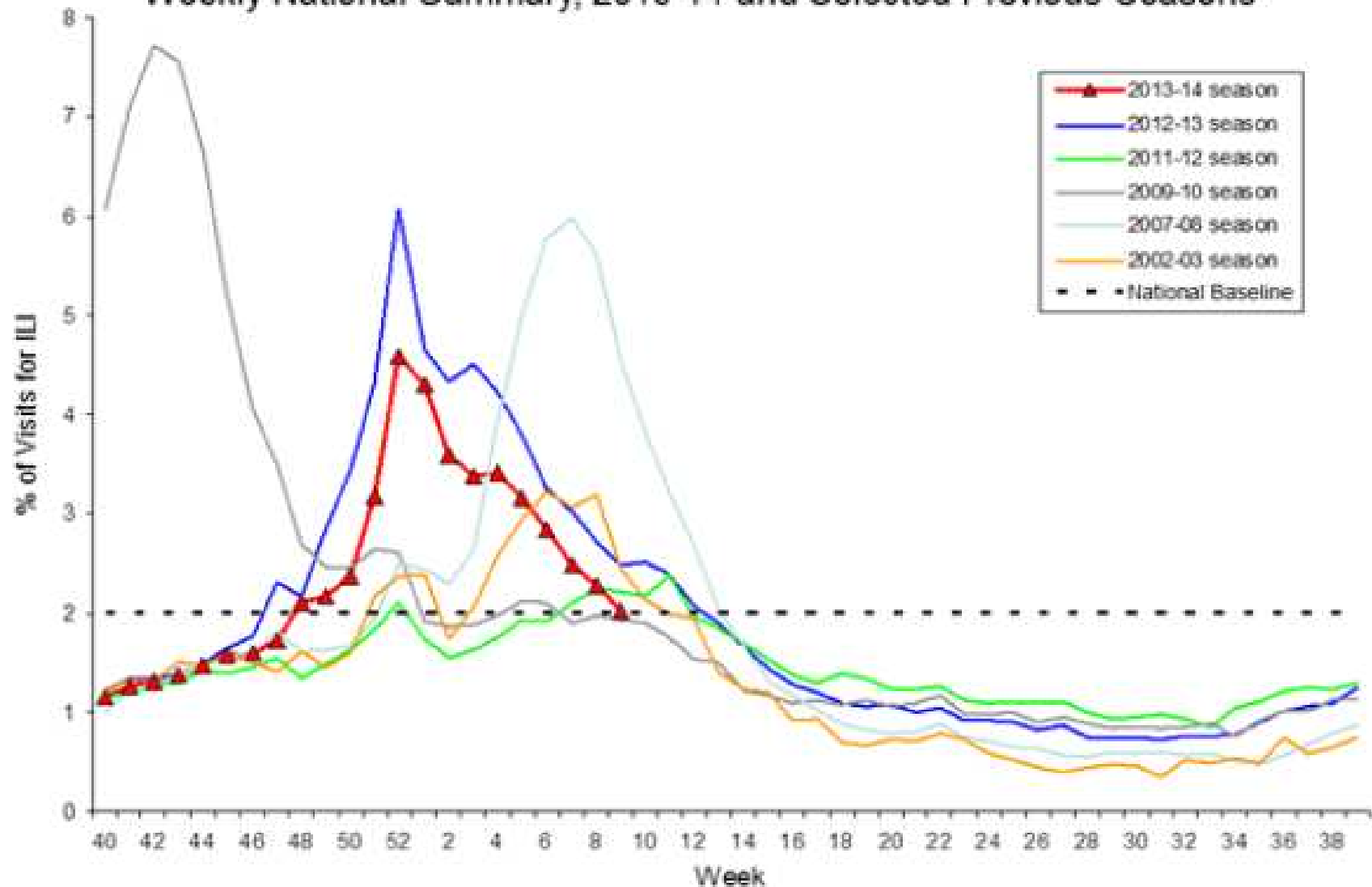
Status as of week 06  
2-8 February 2014



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Data Source: WHO/GIP, data in HQ as of 21 January 2014.  
 Data used are from FluNet (www.who.int/fluNet), 14:10 UTC snapshot, from WHO regional offices and/or ministry of health websites.

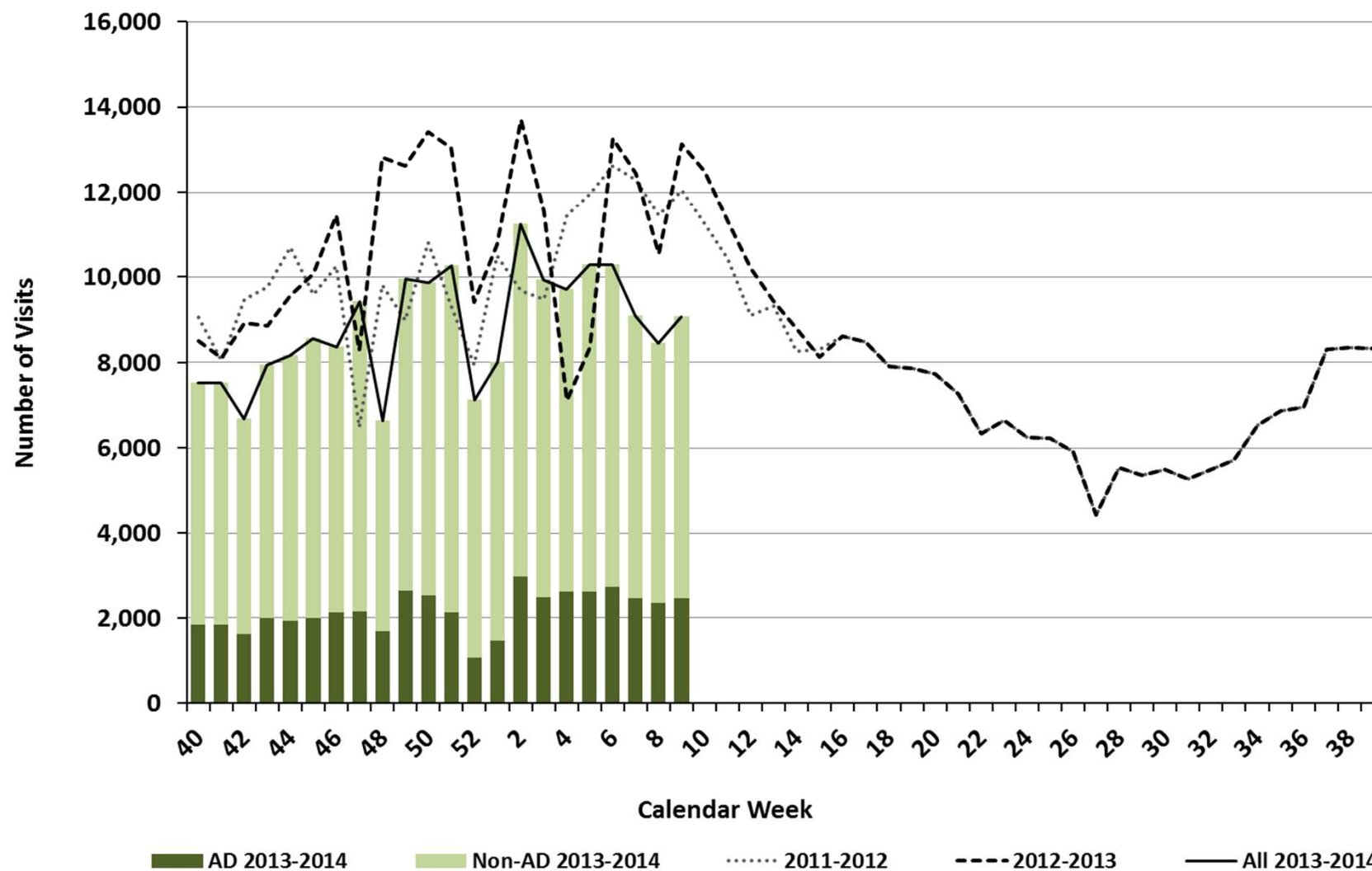
Percentage of Visits for Influenza-like Illness (ILI) Reported by the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet), Weekly National Summary, 2013-14 and Selected Previous Seasons





## ESSENCE Weekly Outpatient Clinic Visits for Incident Influenza-like Illness

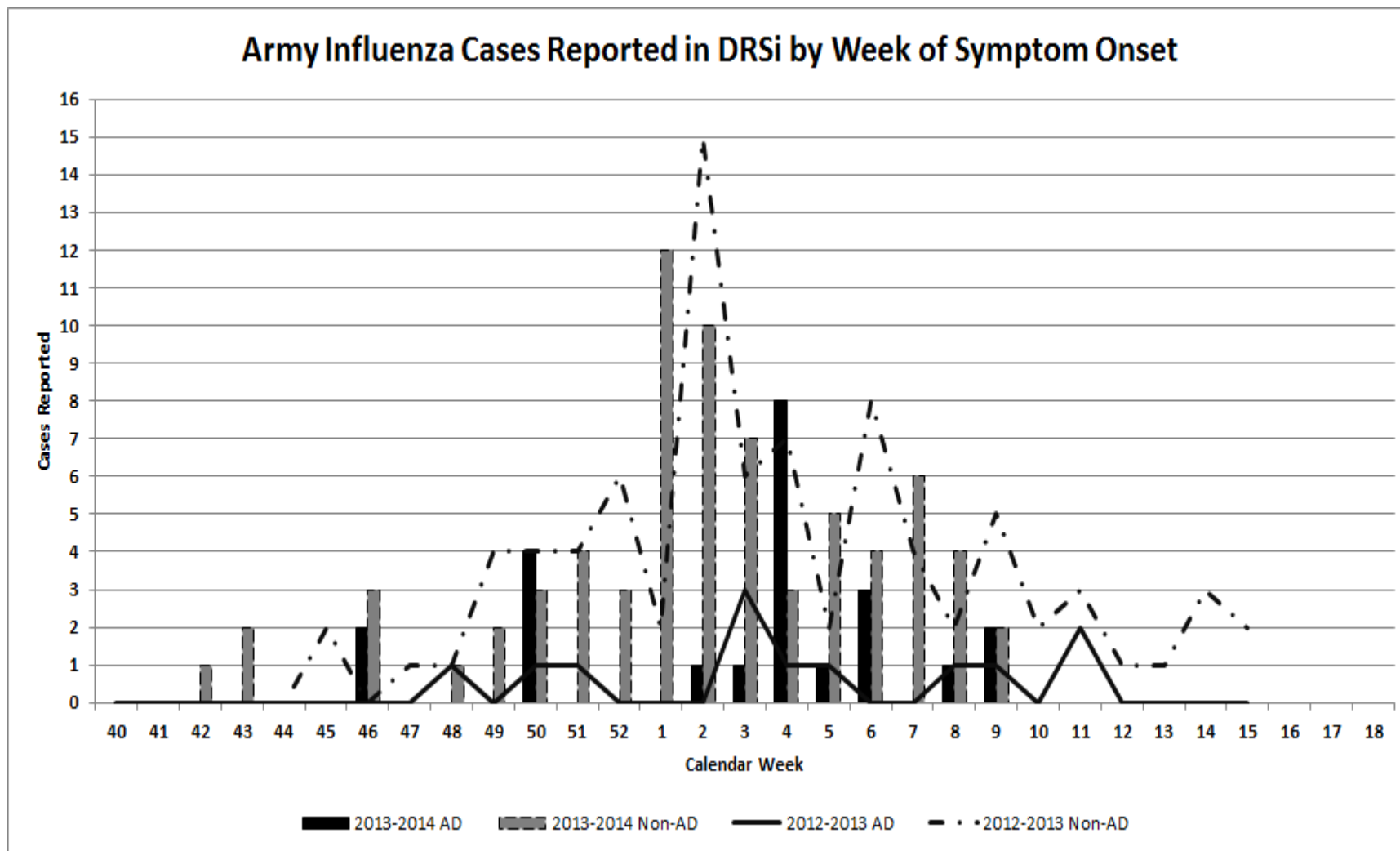
*Army MTFs, All Services, 2010-2014*



*Clinic visits for ILI are obtained from ESSENCE. Data as of 5 March 2014.*

### Army MTF Laboratory Results, 2013-14

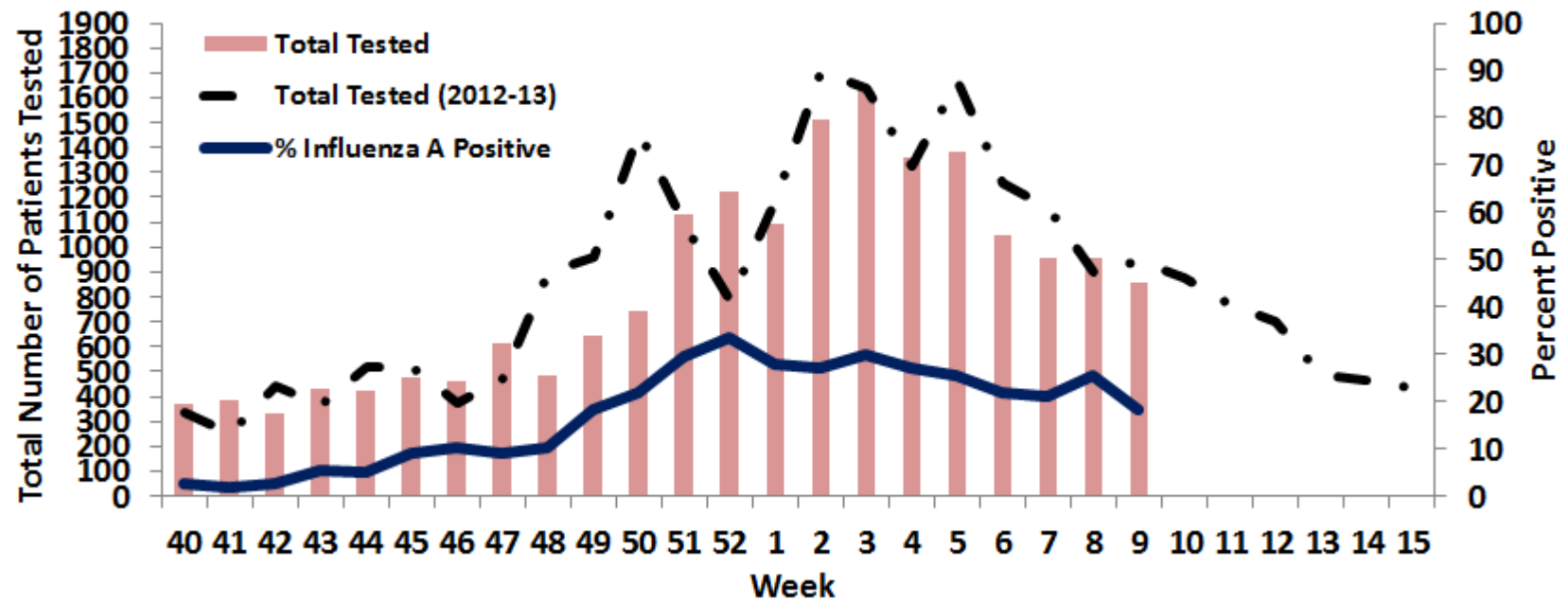
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RSV	60	93	69	66	<b>1161</b>
<i>Negative</i>	<i>946</i>	<i>843</i>	<i>824</i>	<i>830</i>	<b>16240</b>
<b>Total Results</b>	<b>1281</b>	<b>1172</b>	<b>1172</b>	<b>1090</b>	<b>22056</b>



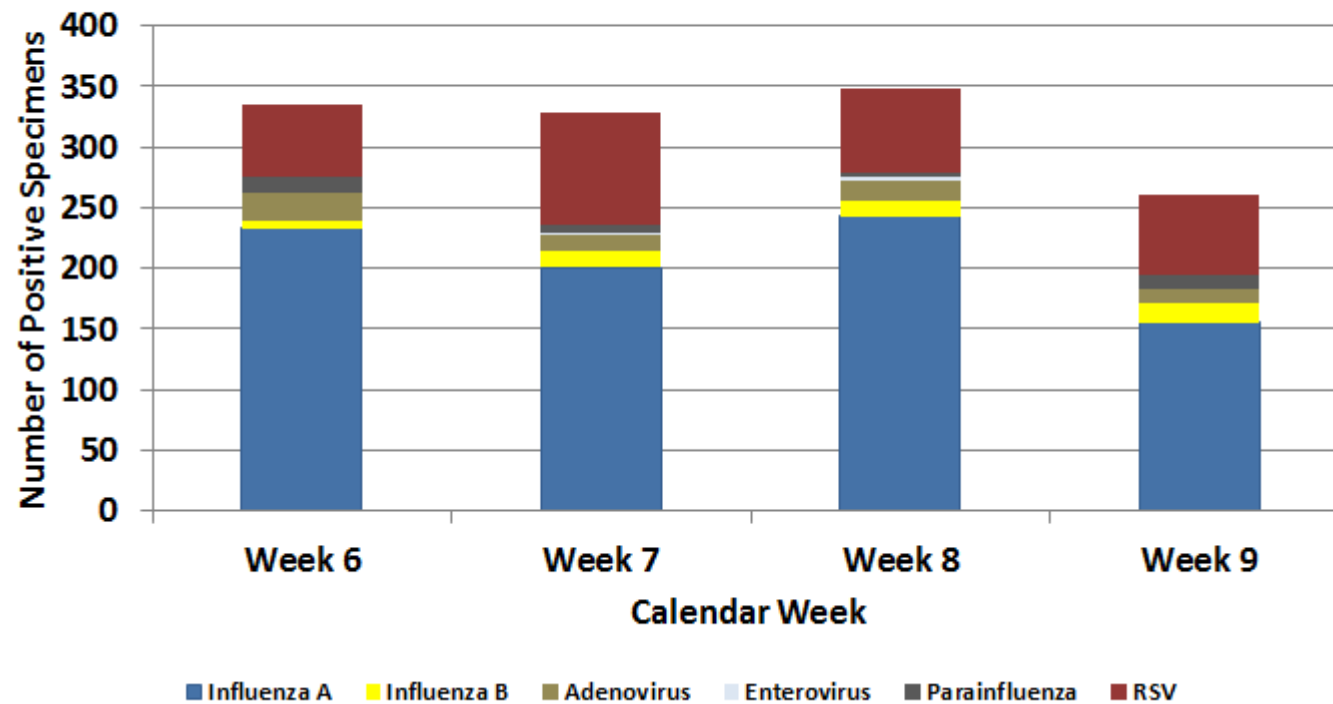
**Note:** Reportable influenza cases are defined as only cases that have been hospitalized and are under the age of 65. See [Armed Forces Reportable Medical Events Guidelines and Case Definitions](#) for more information  
Data as of 5 March 2014.



Proportion of Positive Influenza A Specimens for U.S. Army 2013-2014



### Positive Respiratory Specimen Results from Army MTFs by Virus, 2013-2014 Influenza Season



Number of Positive Influenza A Specimens by Duty Status and Region																
Region	Week 2		Week 3		Week 4		Week 5		Week 6		Week 7		Week 8		Week 9	
	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD	AD	Non-AD
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PRMC	4	8	2	19	5	13	10	7	24	22	25	19	19	28	29	31
CENTCOM	0	0	0	0	0	0	4	20	0	4	3	9	16	68	1	7